

apparatuses, and a wireless control apparatus wirelessly linked with the plurality of wireless communication apparatuses, said system comprising:

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a link establishing unit adapted to establish wireless links between the wireless control apparatus and the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

a link maintaining unit adapted to maintain the wireless link between the wireless control apparatus and the second wireless communication apparatus after the first wireless communication apparatus responds to the incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

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50. (Amended) A wireless control apparatus wirelessly linked with a plurality of wireless communication apparatuses, including first and second wireless communication apparatuses, comprising:

a link establishing unit adapted to establish wireless links with the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

a link maintaining unit adapted to maintain the

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wireless link established for communication with the second wireless communication apparatus after the first wireless communication apparatus responds to the incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

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55. (Amended) A method of controlling a wireless communication system that includes a plurality of wireless communication apparatuses, including first and second wireless communication apparatuses, and a wireless control apparatus wirelessly linked with the plurality of wireless communication apparatuses, said method comprising:

an link establishment step of establishing wireless links between the wireless control apparatus and the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

a link maintaining step of maintaining the wireless link between the wireless control apparatus and the second wireless communication apparatus after the first wireless communication apparatus responds to an incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

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58. (Amended) A method of controlling a wireless

control apparatus wirelessly linked with a plurality of wireless communication apparatuses including first and second wireless communication apparatuses, said method comprising;

a wireless-link establishing step of establishing wireless links with the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

By a link maintaining step of maintaining the wireless link established for communication with the second wireless communication apparatus after the first wireless communication apparatus responds to an incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

61. (Amended) A communication apparatus capable of wirelessly communicating with first and second apparatuses, comprising:

BS a connection unit adapted to connect communication channels used for communication with the first and second apparatuses, respectively, when a third apparatus communicates with the first and second apparatuses; and

a channel maintaining unit adapted to maintain a communication channel used for communication with the second apparatus while the first apparatus communicates with the

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third apparatus, such that the second apparatus can communicate with the third apparatus.

64. (New) The system according to claim 45, wherein said link maintaining unit maintains the wireless link of the second wireless communication apparatus after the first wireless communication apparatus responds to the incoming call and the wireless control apparatus halts ringing of the second wireless communication apparatus.

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65. (New) The apparatus according to claim 50, wherein said link maintaining unit maintains the wireless link of the second wireless communication apparatus after the first wireless communication apparatus responds to the incoming call and the wireless control apparatus halts ringing of the second wireless communication apparatus.

66. (New) A method of controlling a communication apparatus capable of wirelessly communicating with first and second apparatuses, said method comprising:

a connection step of connecting communication channels used for communication with the first and second apparatuses, respectively, when a third apparatus communicates with the first and second apparatuses; and

a channel maintaining step of maintaining a communication channel used for communication with the second apparatus while the first apparatus communicates with the third apparatus, such that the second apparatus can communicate with the third apparatus.

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67. (New) The method according to claim 66, further comprising a discrimination step of discriminating whether an apparatus performs voice communication or data communication, wherein said channel maintaining step includes maintaining the communication channel in accordance with a discrimination made in said discrimination step.

68. (New) The method according to claim 66, further comprising:

a setting step of setting information for terminating use of the communication channel maintained in said channel maintaining step; and

a disconnection step of disconnecting the communication channel based on the information set in said setting step.

69. (New) A computer-readable storage medium storing program for implementing a method of controlling a

wireless communication system that includes a plurality of wireless communication apparatuses, including first and second wireless communication apparatuses, and a wireless control apparatus wirelessly linked the plurality of wireless communication apparatuses, the program comprising:

code for a link establishment step of establishing wireless links between the wireless control apparatus and the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

code for a link maintaining step of maintaining the wireless link between the wireless control apparatus and the second wireless communication apparatus after the first wireless communication apparatus responds to an incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

70. (New) The medium according to claim 69, wherein the program further comprises code for a recognition step of recognizing a wireless communication apparatus that performs voice communication and a wireless communication apparatus that performs data communication, and wherein the link maintaining step includes maintaining the wireless link in dependence upon a

recognition in the recognition step.

71. (New) The medium according to claim 69, wherein the link maintaining step includes maintaining a wireless link in accordance with a time period that was set arbitrarily.

B₆ 72. (New) A computer-readable storage medium storing a program for implementing a method of controlling a wireless control apparatus wirelessly linked with a plurality of wireless communication apparatuses including first and second wireless communication apparatuses, the program comprising:

code for a wireless-link establishment step of establishing wireless links with the first and second wireless communication apparatuses, respectively, in accordance with detection of an incoming call; and

code for a link maintaining step of maintaining the wireless link established for communication with the second wireless communication apparatus after the first wireless communication apparatus responds to an incoming call, such that the incoming call can be transferred to the second wireless communication apparatus.

73. (New) The medium according to claim 72,
wherein the program further comprises code for a
recognition step of recognizing a wireless communication
apparatus that performs voice communication and a wireless
communication apparatus that performs data communication, and
wherein the link maintaining step includes
maintaining the wireless link in dependence upon a
recognition in the recognition step.

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74. (New) The medium according to claim 72,
wherein the link maintaining step includes maintaining a
wireless link in accordance with a time period that was set
arbitrarily.

75. (New) A computer-readable storage medium
storing a program for implementing a method of controlling a
communication apparatus capable of wirelessly communicating
with first and second apparatuses, the program comprising:

code for a connection step of connecting
communication channels used for communication with the first
and second apparatuses, respectively, when a third apparatus
communicates with the first and second apparatuses; and

code for a channel maintaining step of maintaining
a communication channel used for communication with the

second apparatus while the first apparatus communicates with the third apparatus, such that the second apparatus can communicate with the third apparatus.

76. (New) The medium according to claim 75,
wherein the program further comprises code for a discrimination step of discriminating whether an apparatus performs voice communication or data communication, and

86 wherein the channel maintaining step includes maintaining the communication channel in accordance with a discrimination made in the discrimination step.

77. (New) The medium according to claim 75,
wherein the program further comprises:

code for a setting step of setting information for terminating use of the communication channel maintained in the channel maintaining step; and

code for a disconnection step of disconnecting the communication channel based on the information set in the setting step.

REMARKS

The present application is a division of copending parent Application No. 08/622,583, filed on March 28, 1996.